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Claims

1. A pilot valve for use in a water supply system including

biassing means to control a gate for controlling water flow through a control chamber;

a second chamber sealed by a second chamber diaphragm into which control pressure is applicable for also controlling the operation of the gate, whereby, in use, an increase in control pressure acts to reduce water flow through the gate;

wherein the side of the diaphragm against which the control pressure is not applied, is in fluid communication with the control chamber.

2. A pilot valve according to claim 1 wherein the biassing means is biased to open the gate.

3. A pilot valve according to claim 2 wherein the biassing means is rigidly connected to the gate by a mechanical linkage.

4. A pilot valve according to claim 3 wherein the diaphragm is rigidly connected to the gate by a mechanical linkage.

5. A pilot valve according to claim 3 or claim 4

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means via a mechanical linkage.

6. ~~A pilot valve according to any one of the preceding claims wherein the biasing means is a spring means.~~

7. A pilot valve according to claim 6 wherein the spring means is a helical spring.

8. A pilot valve according to any one of the preceding
10 claims further including a control chamber diaphragm.

9. A pilot valve according to claim 8 wherein said biasing means is located on the opposite side of the control chamber diaphragm to the control chamber.

10. A pilot valve according to any one of claims 8 or 9 wherein the ratio of the area of the control chamber diagram to the second chamber diaphragm is 2:1 or less.

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